

From: [LaVigne, Paul](#)
To: [Blend, Jeff](#); [Tina Laidlaw/MO/R8/USEPA/US@EPA](#)
Subject: FW: Secondary Plants less than 1 MGD
Date: 09/01/2011 04:00 PM

OK, I thought that I had sent this but I was wrong.

I looked through ICES or whatever it is (EPA's NPDES database) and looked at a full year's worth of data for Lolo and Stevensville.
For Lolo, TN is generally less than 30 mg/l and TP less than 7.

Stevensville is generally a little better with TN generally below 20 and TP less than 4.

Lolo has a history of some pretty heavy loading so that may explain the difference. Neither facility has taken steps to go toward nutrient removal, specifically.
Sorry for the delay.
Paul

-----Original Message-----

From: LaVigne, Paul
Sent: Tuesday, August 30, 2011 3:13 PM
To: Blend, Jeff
Subject: RE: Secondary Plants less than 1 MGD

I'll see what I can do. Neither one are lagoons - both are mechanical facilities.

-----Original Message-----

From: Blend, Jeff
Sent: Tuesday, August 30, 2011 2:01 PM
To: LaVigne, Paul
Subject: RE: Secondary Plants less than 1 MGD

Anything you can get me on Lolo and Stevensville would be helpful. Like current user rates, and current level of N and P treatment if any. These are both lagoons? Thanks for any help. I keep hammering away each day on the report. Trying to get updated economic data for all the towns.

Jeff Blend
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-----Original Message-----

From: LaVigne, Paul
Sent: Monday, August 29, 2011 2:42 PM
To: Blend, Jeff
Subject: RE: Secondary Plants less than 1 MGD

Jeff, I had a major task due last week so I am way behind on emails. Sorry. Do you still need information on <1 MGD facilities? Let me know what I can do to help, if you need me.
Paul

-----Original Message-----

From: Blend, Jeff
Sent: Thursday, August 25, 2011 8:15 AM
To: Laidlaw.Tina@epamail.epa.gov
Cc: LaVigne, Paul
Subject: RE: Secondary Plants less than 1 MGD

Let us keep it down to two. I already know I won't get you the paper this week, as it is a complicated demonstration. I am feeling like I cannot even get this thing done. How about Lolo and Stevensville? I would need to know what WERF level they are at and their current rates. I assume that they are both below 1 MGD.

This is what I have for Lolo, but I don't think this would get us to WERF 5, so I may need to disregard the following info:

Lolo (from 2006 PER - so may need an inflation adjustment):

Primarily targets P removal:

Flow (current) : Ave Day = 0.199 mgd, Max Day = 0.23 mgd

Upgrade to MBR for nutrient removal: Cost \$3,254,000 + \$275,000 O&M cost

This design provides for 20-yr growth to triple the Max Day flow. No numbers for reducing cost to just meet current conditions available.

Yes, I will need help on those two plants.

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-----Original Message-----

From: Laidlaw.Tina@epamail.epa.gov [mailto:Laidlaw.Tina@epamail.epa.gov]
Sent: Wednesday, August 24, 2011 12:57 PM
To: Blend, Jeff
Cc: LaVigne, Paul
Subject: Re: Secondary Plants less than 1 MGD

Jeff,

what about Lolo and Colstrip? Paul said Stevensville had higher rates so they be good to look at. Let me know if you want me to dig into the permits and figure out the effluent limits or if there is anything I can do to help.

Tina

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From: "Blend, Jeff" <jblend@mt.gov>
To: "LaVigne, Paul" <plavigne@mt.gov>, Tina Laidlaw/MO/R8/USEPA/US@EPA
Date: 08/23/2011 08:18 AM
Subject: Secondary Plants less than 1 MGD

The design flow for Havre appears to be 1.8 MGD from the 2008 list. The actual flow may be right below 1 MGD. Nonetheless, by our definition, we are using design flow for categories, so I will keep Havre in the >1 MGD category unless either of you object.

So, what about other advanced (secondary) plants less than 1 MGD?

Chinook
Big Fork (but we list that as a lagoon)
Colstrip
Forsyth
Laural
Lolo
Stevensville

Hardin has a design flow of 1.0 MGD

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